English Master’s Programs
Academic Year 2022/2023
TU9 Mission Statement

TU9 – German Universities of Technology
Excellence in Engineering and Science Made in Germany

TU9 is the Alliance of leading Universities of Technology in Germany: RWTH Aachen University, Technische Universität Berlin, Technische Universität Braunschweig, Technical University of Darmstadt, Technische Universität Dresden, Leibniz University Hannover, Karlsruhe Institute of Technology, Technical University of Munich, and University of Stuttgart.

Tradition, excellence, and innovation are the hallmarks of TU9 Universities. Founded during the Industrial Age, they contributed decisively to technological progress back then and continue to do so today. They enjoy an outstanding reputation around the world as renowned research and teaching institutions that promote the transfer of knowledge and technology between universities and practice. As such, they train exceptional young academics for careers in science, business, and administration and assume social responsibility. TU9 Universities foster top-class international networks and diverse cooperation with industry, making them a key element of the German science and innovation landscape.

The excellent research and teaching at TU9 Universities are based on independence, plurality, and freedom of expression. TU9 Universities have always been places of intellectual and cultural diversity where internationalization and integration are a matter of course.

TU9 Universities embody

- tradition & innovation,
- excellence & interdisciplinarity,
- cooperation & competencies, and

the world of tomorrow.
Study at a TU9 University: Nine Good Reasons

1. DIVERSITY
Choose from over 190 English master’s programs out of more than 1,200 degree programs (BA & MA) in total

2. RESEARCH
Research-focused teaching as a core element of excellent education in an international and inspiring environment

3. INTERDISCIPLINARY WORK & PROFESSIONAL QUALIFICATIONS
Study and research across disciplines and beyond (with language and soft skills courses)

4. THEORY & PRACTICE
Get early insights into various career paths with student internships in research and industry

5. TECHNOLOGY TRANSFER
Special focus on transfer projects and start-up initiatives

6. CAREER OPPORTUNITIES
Broad education across disciplines and practical experiences as basis for a wide range of professions in science and the private sector worldwide

7. INTERNATIONALITY
International campus, global research collaborations, student exchanges, and joint degree programs

8. LIFE OUTSIDE THE CLASSROOM
Study and live: sports, social and cultural events and activities are part of a vibrant lifestyle on campus and beyond

9. PRICELESS
Germany is a politically stable, safe, and diverse country with excellent study programs and it is one of the world’s most affordable places to study and live (around €1,000 per month)
General Requirements

Most of the master’s programs in Germany are two-year programs and subject to admission restrictions. Applicants for the English master’s programs need proficiency in English. Requirements, application deadlines, and application procedures may vary. For further information on the specifics for each study program, please contact the respective TU9 University (see individual TU9 Universities’ links on page 5).

To enroll in a master’s program, a first university degree (usually a three-year bachelor’s degree) is required. If you have completed your studies abroad and would like to pursue a master’s degree in Germany, your first university degree must be recognized in Germany.

To know how your first university degree is assessed in Germany, the anabin database (» www.anabin.de) provides an overview (in German).

Note
All master’s programs listed in this brochure offer a “Master of Science” degree unless stated otherwise.
Special Information for International Students

All TU9 Universities have International Offices with counseling offers and services for international applicants and students.

On their websites they offer extensive information on study programs, application procedures and admission, student orientation, language and intercultural services, and student life, as well as welcome events.

Please use the QR codes or links below to visit the websites of the TU9 Universities’ International Offices.

- RWTH Aachen University  
  https://t1p.de/rwth-tu9
- Technische Universität Berlin  
  https://t1p.de/tub-tu9
- Technische Universität Braunschweig  
  https://t1p.de/tubs-tu9
- Technical University of Darmstadt  
  https://t1p.de/tuda-tu9
- Technische Universität Dresden  
  https://t1p.de/tud-tu9
- Leibniz Universität Hannover  
  https://t1p.de/luh-tu9
- Karlsruhe Institute of Technology  
  https://t1p.de/kit-tu9
- Technical University of Munich  
  https://t1p.de/tum-tu9
- University of Stuttgart  
  https://t1p.de/ust-tu9
<table>
<thead>
<tr>
<th>Agriculture &amp; Forest Science</th>
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<tbody>
<tr>
<td><strong>Agricultural Biosciences</strong></td>
</tr>
<tr>
<td>@ Technical University of Munich</td>
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<tr>
<td><strong>Sustainable Resource Management</strong></td>
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<tr>
<td>@ Technical University of Munich</td>
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<tr>
<td><strong>Tropical Forestry</strong></td>
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</tbody>
</table>
| @ Technische Universität Dresden  
*Possible joint degree program in cooperation with European partner universities* |

<table>
<thead>
<tr>
<th>Architecture, Urban Planning &amp; Civil Engineering</th>
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<tbody>
<tr>
<td><strong>Advanced Computational and Civil Engineering Structural Studies (ACCESS)</strong></td>
</tr>
<tr>
<td>@ Technische Universität Dresden</td>
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<tr>
<td><strong>Architecture – Typology</strong></td>
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<tr>
<td>@ Technische Universität Berlin</td>
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<tr>
<td><strong>Cartography</strong></td>
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</table>
| @ Technische Universität Dresden and Technical University of Munich  
*In cooperation with TU Wien, Austria, and University of Twente, Netherlands* |
| **Civil Engineering**  |
| @ Technical University of Munich |
| **Civil Engineering, with specialization in Advanced Computational Methods in Civil Engineering**  |
| @ RWTH Aachen University  
*Specialization in English language* |
| **Civil Systems Engineering**  |
| @ Technische Universität Berlin |
| **Computational Mechanics**  |
| @ Technical University of Munich  
*In cooperation with Elite Network of Bavaria, Germany* |
| **Computational Mechanics of Materials and Structures (COMMAS)**  |
| @ University of Stuttgart  
*German language course included in program; possible double degree program* |
| **Construction and Robotics**  |
| @ RWTH Aachen University |
| **Environmental Planning and Territorial Development**  |
| @ Leibniz University Hannover  
*Major Territorial Development: Having opted for one major, students may still take optional modules from the other area of specialisation. In the Major “Territorial Development”, the primary language of instruction is English.* |
| **Geodesy and Geoinformation**  |
| @ Technical University of Munich |
| **Infrastructure Planning (MIP)**  |
| @ University of Stuttgart |
| **Integrated Urbanism and Sustainable Design (IUSD)**  |
| @ University of Stuttgart  
*Double degree in cooperation with Ain Shams University, Cairo, Egypt* |
| **Integrative Technologies and Architectural Design Research (ITECH)**  |
| @ University of Stuttgart |
| **Landscape Architecture (MA)**  |
| @ Technical University of Munich |
| **Landscape Architecture – Major European Master in Landscape Architecture (EMILA)**  |
| @ Leibniz University Hannover  
*Five of the leading European universities have created a joint master’s course in Landscape Architecture. Members of the network are: The University of Edinburgh, the École Nationale Supérieure de Paysage Versailles / Marseilles, Amsterdam University of the Arts, Universitat Politècnica De Catalunya (Barcelona) and Leibniz University Hannover.* |
| **Management and Engineering in Structural Engineering and Risk Management of Industrial Facilities**  |
| @ RWTH Aachen University  
*RWTH Aachen University International Academy (tuition fee)* |
| **Rail, Transport and Logistics**  |
| @ Technical University of Munich  
*Joint degree program at GIST-TUM Asia in cooperation with NTU, Singapore (tuition fee)* |
<table>
<thead>
<tr>
<th>Program</th>
<th>Institution(s)</th>
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<tbody>
<tr>
<td>Sustainable Management — Water and Energy</td>
<td>RWTH Aachen University</td>
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<tr>
<td>Sustainable Urban Development</td>
<td>Technical University of Darmstadt</td>
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<tr>
<td>Joint degree in cooperation with Vietnamese-German University</td>
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<tr>
<td>Transforming City Regions</td>
<td>RWTH Aachen University</td>
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<tr>
<td>Transport Engineering and Mobility,</td>
<td>RWTH Aachen University</td>
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<tr>
<td>with specialization in Railway Systems</td>
<td>Specialization in English language</td>
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<tr>
<td>Engineering</td>
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<tr>
<td>Transportation Economics (MSc)</td>
<td>Technische Universität Dresden</td>
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<tr>
<td>Transportation Systems</td>
<td>Technical University of Munich</td>
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<tr>
<td>Urban Design</td>
<td>Technische Universität Berlin</td>
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<tr>
<td>Urban Development</td>
<td>Technische Universität Berlin/Campus El Gouna</td>
</tr>
<tr>
<td>Partly takes place at Campus El Gouna, Egypt</td>
<td>(tuition fee)</td>
</tr>
<tr>
<td>Urban Management</td>
<td>Technische Universität Berlin</td>
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<tr>
<td>Tuition fee</td>
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</tbody>
</table>

**Biology, Chemistry & Medicine**

<table>
<thead>
<tr>
<th>Program</th>
<th>Institution(s)</th>
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<tbody>
<tr>
<td>Biochemistry</td>
<td>Technische Universität Dresden</td>
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<tr>
<td>Bioeconomy</td>
<td>Technical University of Munich</td>
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<tr>
<td>Biology in Society</td>
<td>Technische Universität Dresden</td>
</tr>
<tr>
<td>Biomedical Engineering and Medical Physics</td>
<td>Technical University of Munich</td>
</tr>
<tr>
<td>Biomedical Neuroscience</td>
<td>Technical University of Munich</td>
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<tr>
<td>Chemical Biotechnology</td>
<td>Technical University of Munich</td>
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<tr>
<th>Program</th>
<th>Institution(s)</th>
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<tbody>
<tr>
<td>Chemistry</td>
<td>Technische Universität Dresden</td>
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<tr>
<td>Ecosystem Services</td>
<td>Technische Universität Dresden In cooperation with Senckenberg Society; courses at International Institute Zittau, Germany, and at Senckenberg Institute Görlitz, Germany</td>
</tr>
<tr>
<td>Health Science – Prevention and Health Promotion</td>
<td>Technical University of Munich</td>
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<tr>
<td>Industrial Chemistry</td>
<td>Technical University of Munich</td>
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<tr>
<td>Joint degree program at GIST-TUM Asia</td>
<td>in cooperation with NUS, Singapore (tuition fee)</td>
</tr>
<tr>
<td>Laboratory Animal Science</td>
<td>RWTH Aachen University</td>
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<tr>
<td>At RWTH Aachen University International Academy</td>
<td>(tuition fee)</td>
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<tr>
<td>Molecular Biosciences and Productive Biosystems</td>
<td>Technische Universität Dresden</td>
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<tr>
<td>Nutrition and Biomedicine</td>
<td>Technical University of Munich</td>
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<tr>
<td>Organic and Molecular Electronics</td>
<td>Technische Universität Dresden</td>
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<tr>
<td>Interdisciplinary study program comprising physics, chemistry, electrical engineering, and materials science</td>
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<tr>
<td>Organismic and Molecular Biodiversity</td>
<td>Technische Universität Dresden In cooperation with Senckenberg Society; Courses at International Institute Zittau, Germany and at Senckenberg Institute Görlitz, Germany; internships at Senckenberg Institutes all over Germany</td>
</tr>
<tr>
<td>Radiation Biology</td>
<td>Technical University of Munich</td>
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<tr>
<td>Regenerative Biology and Medicine</td>
<td>Technische Universität Dresden</td>
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<tr>
<td>Sport and Exercise Science</td>
<td>Technical University of Munich</td>
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<tr>
<td>Technology of Biogenic Resources</td>
<td>Technical University of Munich</td>
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<tr>
<td>Biology, Chemistry &amp; Medicine</td>
<td>RWTH Aachen University</td>
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<tr>
<td>Biochemistry</td>
<td>Technische Universität Dresden</td>
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<td>Technical University of Munich</td>
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<tr>
<td>Chemical Biotechnology</td>
<td>Technical University of Munich</td>
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<tr>
<td>Biotechnology, Bioengineering &amp; Medical Engineering</td>
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<td>---------------------------------------------------</td>
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</table>
| **Biomedical Computing (BMC)**  
@ Technical University of Munich |
| **Biomedical Engineering**  
@ RWTH Aachen University |
| **Chemical Biotechnology**  
@ Technical University of Munich |
| **Molecular Bioengineering**  
@ Technische Universität Dresden |
| **Molecular Biosciences and Productive Biosystems**  
@ Technische Universität Dresden |
| **Nanoelectronic Systems**  
@ Technische Universität Dresden  
*Possible joint master’s degree in cooperation with European partner universities* |
| **Periodontology**  
@ RWTH Aachen University  
*RWTH Aachen International Academy (tuition fee)* |
| **Physics of Life (ehemals Nanobiophysics)**  
@ Technische Universität Dresden  
*Possible joint master’s degree in cooperation with European partner universities* |
| **Software Engineering**  
@ Technical University of Munich  
*In cooperation with University of Augsburg, Germany* |

<table>
<thead>
<tr>
<th>Computer Science</th>
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| **Biomedical Computing (BMC)**  
@ Technical University of Munich |
| **Computational Linguistics**  
@ University of Stuttgart |
| **Computational Mechanics**  
@ Technical University of Munich  
*In cooperation with Elite Network of Bavaria, Germany* |
| **Computational Mechanics of Materials and Structures (COMMAS)**  
@ University of Stuttgart  
*German language course included in program; possible double degree program* |
| **Computational Modeling and Simulation**  
@ Technische Universität Dresden |
| **Computational Neuroscience**  
@ Technische Universität Berlin  
*Joint degree program in cooperation with Humboldt-Universität zu Berlin and Charité – Universitätsmedizin Berlin, Germany* |
| **Computational Science and Engineering (CSE)**  
@ Technical University of Munich  
*In cooperation with Elite Network of Bavaria, Germany* |
| **Computational Sciences in Engineering (CSE)**  
@ Technische Universität Braunschweig  
*Bilingual program including courses taught in German (German language skills on level A1 required)* |
| **Computer Science**  
@ Technische Universität Berlin |
| **Computer Science**  
@ University of Stuttgart  
*Includes elective courses taught in German* |
| **Computer Simulations for Science and Engineering (COSSE)**  
@ Technische Universität Berlin  
*Joint degree program in cooperation with European partner universities, coordinated by KTH Stockholm, Sweden* |
| **Data Engineering and Analytics**  
@ Technical University of Munich |
| **Data Science**  
@ RWTH Aachen University |
| **Data Science**  
@ Technische Universität Braunschweig |
| **Distributed Software Systems**  
@ Technical University of Darmstadt |
| **Distributed Systems Engineering**  
@ Technische Universität Dresden  
*Possible joint master’s degree in cooperation with European partner universities* |
| **Geophysics**  
@ Karlsruhe Institute of Technology |
| **ICT Innovation**  
@ Technische Universität Berlin  
*Joint degree program in cooperation with European partner universities, coordinated by EIT ICT Labs at KTH Stockholm, Sweden* |
Informatics
@ Technical University of Munich

Informatics: Games Engineering
@ Technical University of Munich

Information Systems
@ Technical University of Munich

Information Systems Engineering and Management (ISEM)
@ Karlsruhe Institute of Technology
Executive program at HECTOR School, Technology Business School (tuition fee)

Information Systems Management
@ Technische Universität Berlin
Language of instruction either English or German

Media Informatics
@ RWTH Aachen University
In cooperation with Bonn Aachen International Center for Information Technology, Germany; compulsory German language course included in program

Neuroengineering
@ Technical University of Munich

Scientific Computing
@ Technische Universität Berlin
Includes courses taught in German

Simulation Sciences
@ RWTH Aachen University
In cooperation with German Research School for Simulation Sciences Aachen, Germany

Software Engineering
@ Technical University of Munich
In cooperation with University of Augsburg, Germany

Software Systems Engineering
@ RWTH Aachen University

Economics & Management

Building Sustainability – Management Methods for Energy Efficiency (MBA)
@ Technische Universität Berlin
Tuition fees

Business and IT (MBA)
@ Technical University of Munich
Executive Master of Business Administration

Business Engineering: Energy
@ Technische Universität Berlin/Campus El Gouna
Partly takes place at Campus El Gouna, Egypt (tuition fee)

Consumer Science
@ Technical University of Munich

Data Analytics and Decision Science (DDS)
@ RWTH Aachen University
Tuition fee

Digitalization & Industrial Change (MBA)
@ RWTH Aachen University
Tuition fee

Economics and Management
@ Leibniz University Hannover

Ecosystem Services
@ Technische Universität Dresden
In cooperation with Senckenberg Society; courses at International Institute Zittau, Germany, and at Senckenberg Institute Görlitz, Germany

Energy Engineering and Management (EEM)
@ Karlsruhe Institute of Technology
Executive program at HECTOR School, Technology Business School (tuition fee)

Energy Management (MBA)
@ Technische Universität Berlin
Tuition fee

Entrepreneurship and Innovation Management
@ Technical University of Darmstadt

Finance and Information Management (FIM)
@ Technical University of Munich
In cooperation with Universität Bayreuth

Financial Engineering (FE)
@ Karlsruhe Institute of Technology
Executive program at HECTOR School, Technology Business School (tuition fee)
General Management (MBA)
@ Technical University of Munich
Executive Master of Business Administration (tuition fee)

Information Systems
@ Technical University of Munich

Information Systems Engineering and Management (ISEM)
@ Karlsruhe Institute of Technology
Executive program at HECTOR School, Technology Business School (tuition fee)

Innovation and Business Creation (MBA)
@ Technical University of Munich
Executive Master of Business Administration (tuition fee)

Innovation Management, Entrepreneurship, and Sustainability
@ Technische Universität Berlin
Joint degree program in cooperation with University of Twente, Netherlands, and Warsaw School of Economics, Poland

Logistics and Supply Chain Management
@ Technical University of Darmstadt

Management (Main Location: Munich)
@ Technical University of Munich

Management (Main Location: Heilbronn)
@ Technical University of Munich

Management and Engineering in Production Systems
@ RWTH Aachen University
RWTH Aachen University International Academy (tuition fee)

Management and Engineering in Structural Engineering and Risk Management of Industrial Facilities
@ RWTH Aachen University
RWTH Aachen University International Academy (tuition fee)

Management and Innovation
@ Technical University of Munich
Two program tracks: TUM track (TUM Campus Heilbronn, Germany) and Double Degree Track (HEC Paris, France)

Management and Technology (TUM-BWL)
@ Technical University of Munich

Management of Product Development (MPD)
@ Karlsruhe Institute of Technology
Executive program at HECTOR School, Technology Business School (tuition fee)

Mobility Systems Engineering and Management (MSEM)
@ Karlsruhe Institute of Technology
Executive program at HECTOR School, Technology Business School (tuition fee)

Production and Operations Management (POM)
@ Karlsruhe Institute of Technology
Executive program at HECTOR School, Technology Business School (tuition fee)

Sustainable Management and Technology
@ Technical University of Munich

Transportation Economics (MSc)
@ Technische Universität Dresden

Electrical & Communications Engineering

Communications Engineering
@ Technical University of Munich

Computational Methods in Engineering
@ Leibniz University Hannover
Graduates have an advanced knowledge of mathematics, computer science and mechanics. The language of instruction is English; optional modules are offered in German.

Computational Sciences in Engineering (CSE)
@ Technische Universität Braunschweig
Bilingual program including courses taught in German (German language skills on level A1 required)

Electrical Engineering
@ University of Stuttgart

Electrical Engineering and Information Technology
@ Karlsruhe Institute of Technology
Only the profiles Photonics, Information and Communication, and Electrical Power Systems can be studied in English.

Electrical Engineering, Information Technology, and Computer Engineering
@ RWTH Aachen University
Two specializations completely in English; six further specializations in German
Energy Technology
- Leibniz University Hannover

Triple Degree in the Electrical Engineering and Information Technology Master Program. The first semester takes place in Lappeenranta, Finland, the second semester in St. Petersburg, Russia and the third semester in Hannover, Germany. The teaching language for the entire course is English. Before and during the study program preparatory language courses in German, Russian and Finnish are offered.

Europhotonics (Erasmus Mundus Master)
- Karlsruhe Institute of Technology

At Karlsruhe School of Optics and Photonics (KSOP); Erasmus Mundus program in cooperation with European partner universities

Green Electronics
- Technical University of Munich

Joint degree program at GIST-TUM Asia in cooperation with NTU, Singapore (tuition fee)

Information and Communication Engineering
- Technical University of Darmstadt

Some elective courses taught in German (free German language course included in program)

Information Systems Engineering and Management (ISEM)
- Karlsruhe Institute of Technology

Executive program at HECTOR School, Technology Business School (tuition fee)

Information Technology (INFOTECH)
- University of Stuttgart

Compulsory German language course included in program

Integrated Circuit Design
- Technical University of Munich

Joint degree program at GIST-TUM Asia in cooperation with NTU, Singapore (tuition fee)

Nanoelectronic Systems
- Technische Universität Dresden

Possible joint master’s degree in cooperation with European partner universities

Optics and Photonics
- Karlsruhe Institute of Technology

At Karlsruhe School of Optics and Photonics (KSOP)

Organic and Molecular Electronics
- Technische Universität Dresden

Interdisciplinary study program comprising physics, chemistry, electrical engineering, and materials science

Power Engineering
- Technical University of Munich

Robotic Systems Engineering
- RWTH Aachen University

At RWTH Aachen University International Academy (tuition fee)

Smart Production Engineering
- RWTH Aachen University

At RWTH Aachen University International Academy

Environmental Engineering

Air Quality Control, Solid Waste, and Waste Water Process Engineering (WASTE)
- University of Stuttgart

Compulsory German language course included in program; some elective courses taught in German; possible double degree program

Business Engineering: Energy
- Technische Universität Berlin/Campus El Gouna

Partly takes place at Campus El Gouna, Egypt (tuition fee)

Energy Engineering and Management (EEM)
- Karlsruhe Institute of Technology

Executive program at HECTOR School, Technology Business School (tuition fee)

Environmental Engineering
- Technical University of Munich

Environmental Planning
- Technische Universität Berlin

Some elective courses taught in German

Hydro Science and Engineering
- Technische Universität Dresden

Possible joint degree program in cooperation with international partner universities
Mobility Systems Engineering and Management (MSEM)
@ Karlsruhe Institute of Technology
Executive program at HECTOR School, Technology Business School (tuition fee)

Polymer Science
@ Technische Universität Berlin
Joint degree program in cooperation with Freie Universität Berlin, Humboldt-Universität zu Berlin, and Universität Potsdam, Germany

Process, Energy, and Environmental Systems Engineering (PEESE)
@ Technische Universität Berlin

Sustainable Mobility Management (MBA)
@ Technische Universität Berlin
Tuition fee

Tropical Hydrogeology and Environmental Engineering (TropHEE)
@ Technical University of Darmstadt

Water Resources and Environmental Management
@ Leibniz University Hannover
In this English-language master’s program, students are integrated in research teams, many of which are involved in international research projects.

Water Resources Engineering and Management (WAREM)
@ University of Stuttgart
Possible double degree program with international partner universities; compulsory German language course in first semester

Water Science and Engineering
@ Karlsruhe Institute of Technology

Geodesy, Georesources & Materials Sciences

Applied Geophysics
@ RWTH Aachen University
Joint Degree with TU Delft, Netherlands and ETH Zurich, Switzerland (tuition fee)

Applied Geosciences
@ Karlsruhe Institute of Technology
Only the profile Energy, Resources & Storage can be studied in English.

Applied Geosciences, with specialization in Geomaterials
@ RWTH Aachen University
Specialization in English language

Cartography
@ Technische Universität Dresden and Technical University of Munich
In cooperation with TU Wien, Austria, and University of Twente, Netherlands

Computational Methods in Engineering
@ Leibniz University Hannover
Graduates have an advanced knowledge of mathematics, computer science and mechanics. The language of instruction is English; optional modules are offered in German.

Earth Oriented Space Science and Technology (ESPACE)
@ Technical University of Munich
Possible joint degree program in cooperation with Wuhan University, China

Engineering Geohazards
@ RWTH Aachen University

Geodesy and Geoinformatics – Major in Navigation and Field Robotics
@ Leibniz University Hannover
This interdisciplinary programme combines aspects of geodesy (sensors, navigation, environmental sensing, evaluation methods, cartographic communication) with robotics technologies.

Geodesy and Geoinformation Science
@ Technische Universität Berlin

Geomatics Engineering (GEOENGINE)
@ University of Stuttgart

Geophysics
@ Karlsruhe Institute of Technology

Land Management and Geospatial Science
@ Technical University of Munich

Materials Science
@ Technical University of Darmstadt
Possible double degree program with international partner universities (Erasmus Mundus Joint Master Degree and EIT Raw Materials)

Materials Science
@ University of Stuttgart
Possible double degree program with international partner universities
Materials Science and Engineering
@ Karlsruhe Institute of Technology
*Offers profiles or areas of specialization that students can study and graduate in solely in English.*

Metallurgical Engineering
@ RWTH Aachen University

Remote Sensing and Geoinformatics
@ Karlsruhe Institute of Technology
*Some elective courses taught in German (German language skills on intermediate level required)*

Tropical Hydrogeology and Environmental Engineering (TropHEE)
@ Technical University of Darmstadt

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**Humanities, Law & Education**

Advanced Anglophone Studies (MA)
@ Leibniz University Hannover
*The research-oriented master’s degree in Advanced Anglophone Studies combines the subjects English, American studies and new English literatures.*

Cognitive Science
@ Technical University of Darmstadt

Cognitive, Digital and Empirical English Studies (MA)
@ RWTH Aachen University

Computational Social Systems
@ RWTH Aachen University

Data and Discourse Studies (MA)
@ Technical University of Darmstadt

European and International Energy Law (MBL)
@ Technische Universität Berlin
*Tuition fee*

European Studies (Master of Public Administration – MPA)
@ RWTH Aachen University
*RWTH Aachen University International Academy (tuition fee)*

Intellectual Property and Competition Law (LLM)
@ Technical University of Munich
*In cooperation with Max Planck Institute and international partner universities*

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International Studies in Intellectual Property Law (LLM)
@ Technische Universität Dresden
*Bilingual program with European and Non-European partner universities; can be completed in English (tuition fee)*

IT Law and Intellectual Property Law (LLM)
@ Leibniz University Hannover
*Bilingual program with European partner universities; obligatory stay abroad during the second semester*

Philosophy of Science (MA)
@ Leibniz University Hannover
*Comprehensive research-oriented training for philosophers, covering ethics and epistemology of the natural sciences, life sciences, humanities and social sciences.*

Politics and Technology
@ Technical University of Munich

Research on Teaching and Learning (MEd)
@ Technical University of Munich

Religion in the Public Sphere
@ Leibniz University Hannover
*The course is offered by the Institute for the Study of Religion in cooperation with the Institute of Sociology in Hannover. There is the option of gaining a double degree through cooperation with the universities of Södertörn (Sweden) and Roma Tre (Italy)*

Responsibility in Science, Engineering, and Technology (RESET) (MA)
@ Technical University of Munich

Science and Technology Studies (STS) (MA)
@ Technical University of Munich

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**Mathematics**

Applied Mathematics
@ RWTH Aachen University

Data Science
@ RWTH Aachen University

Data Sciences
@ Technische Universität Braunschweig

Mathematical Finance and Actuarial Science
@ Technical University of Munich
<table>
<thead>
<tr>
<th>Field</th>
<th>University</th>
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<tbody>
<tr>
<td>Mathematics</td>
<td>Leibniz University Hannover</td>
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<tr>
<td>Mathematics</td>
<td>Technical University of Darmstadt</td>
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<tr>
<td>Mathematics</td>
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<td>Technical University of Munich</td>
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<tr>
<td>Mathematics in Data Science</td>
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<td>Mathematics in Operations Research</td>
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<td>Mathematics in Science and Engineering</td>
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<td>Meteorology</td>
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<td>Mechanical Engineering</td>
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<td>Automotive Engineering</td>
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<td>Computational Mechanics</td>
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<tr>
<td>Computational Mechanics of Materials and Structures (COMMAS)</td>
<td>University of Stuttgart</td>
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<tr>
<td>Computer Aided Conception and Production in Mechanical Engineering</td>
<td>RWTH Aachen University</td>
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<tr>
<td>Computer Aided Conception and Production in Mechanical Engineering</td>
<td>RWTH Aachen University International Academy (tuition fee)</td>
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<tr>
<td>Energy Engineering and Management (EEM)</td>
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<td>Energy Technology</td>
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<tr>
<td>Energy Engineering and Management (EEM)</td>
<td>Executive program at HECTOR School, Technology Business School (tuition fee)</td>
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<tr>
<td>Global Production Engineering in Manufacturing</td>
<td>Technische Universität Berlin</td>
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<td>Global Production Engineering in Manufacturing</td>
<td>Tuition fee</td>
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<tr>
<td>Global Production Engineering in Solar Technology</td>
<td>Technische Universität Berlin</td>
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<td>Global Production Engineering in Solar Technology</td>
<td>Tuition fee</td>
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<tr>
<td>Information Systems Engineering and Management (ISEM)</td>
<td>Karlsruhe Institute of Technology</td>
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<td>Information Systems Engineering and Management (ISEM)</td>
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<tr>
<td>International Mechatronics</td>
<td>Leibniz University Hannover</td>
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<tr>
<td>International Mechatronics</td>
<td>Double Degree in the Mechatronics and Robotics Master Program. First year in St. Petersburg, Russia, second year in Hannover, Germany.</td>
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<tr>
<td>Management and Engineering in Computer Aided Mechanical Engineering</td>
<td>RWTH Aachen University</td>
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<td>Institution</td>
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<tr>
<td>Management and Engineering in Technology, Innovation, Marketing and Entrepreneurship</td>
<td>RWTH Aachen University&lt;br&gt;RWTH Aachen University International Academy (tuition fee)</td>
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<tr>
<td>Management of Product Development (MPD)</td>
<td>Karlsruhe Institute of Technology&lt;br&gt;Executive program at HECTOR School, Technology Business School (tuition fee)</td>
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<tr>
<td>Materials Science and Engineering</td>
<td>Karlsruhe Institute of Technology&lt;br&gt;Offers profiles or areas of specialization that students can study and graduate in solely in English.</td>
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<tr>
<td>Mechanical Engineering</td>
<td>Karlsruhe Institute of Technology&lt;br&gt;Offers profiles or areas of specialization that students can study and graduate in solely in English.</td>
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<tr>
<td>Mechanical Engineering</td>
<td>University of Stuttgart&lt;br&gt;Joint degree with Georgia Tech, Atlanta, USA; one year in Atlanta, one year in Stuttgart, Germany</td>
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<tr>
<td>Mobility Systems Engineering and Management (MSEM)</td>
<td>Karlsruhe Institute of Technology&lt;br&gt;Executive program at HECTOR School, Technology Business School (tuition fee)</td>
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<td>Optical Technologies</td>
<td>Leibniz University Hannover&lt;br&gt;Cooperation between the faculty of mathematics and physics and the faculty of mechanical engineering enables the master’s degree program to build a bridge between basic research in physics and technical application.</td>
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<td>Production and Operations Management (POM)</td>
<td>Karlsruhe Institute of Technology&lt;br&gt;Executive program at HECTOR School, Technology Business School (tuition fee)</td>
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<td>Rail, Transport and Logistics</td>
<td>Technical University of Munich&lt;br&gt;Joint degree program at GIST-TUM Asia in cooperation with NTU, Singapore (tuition fee)</td>
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<td>Robotic Systems Engineering</td>
<td>RWTH Aachen University&lt;br&gt;RWTH Aachen University International Academy (tuition fee)</td>
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<td>Smart Production Engineering</td>
<td>RWTH Aachen University&lt;br&gt;At RWTH Aachen University International Academy (tuition fee)</td>
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<tr>
<td>Space Engineering (MSE)</td>
<td>Technische Universität Berlin&lt;br&gt;Tuition fee</td>
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<tr>
<td>Textile Engineering</td>
<td>RWTH Aachen University&lt;br&gt;RWTH Aachen University International Academy (tuition fee)</td>
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<tr>
<td><strong>Physics</strong></td>
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<tr>
<td>Biomedical Engineering and Medical Physics</td>
<td>Technical University of Munich</td>
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<tr>
<td>Computational Mechanics</td>
<td>Technical University of Munich&lt;br&gt;Joint degree program at Elte Network of Bavaria, Germany</td>
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<tr>
<td>Europhotonics (Erasmus Mundus Master)</td>
<td>Karlsruhe Institute of Technology&lt;br&gt;At Karlsruhe School of Optics and Photonics (K SOP); Erasmus Mundus program in cooperation with European partner universities</td>
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<tr>
<td>Geophysics</td>
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<td>Matter to Life</td>
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| **Optics and Photonics**  
| Karlsruhe Institute of Technology  
| At Karlsruhe School of Optics and Photonics (KSOP)  
| **Organic and Molecular Electronics**  
| Technische Universität Dresden  
| Interdisciplinary study program comprising physics, chemistry, electrical engineering, & materials science  
| **Photonics Engineering, Nanophotonics and Biophotonics (Erasmus Mundus Master)**  
| Karlsruhe Institute of Technology  
| At Karlsruhe School of Optics and Photonics (KSOP); Erasmus Mundus program in cooperation with European partner universities  
| **Physics**  
| RWTH Aachen University  
| **Physics**  
| Leibniz University Hannover  
| **Physics**  
| University of Stuttgart  
| **Physics (Applied and Engineering Physics)**  
| Technical University of Munich  
| **Physics of Life (ehemals Nanobiophysics)**  
| Technische Universität Dresden  
| Possible joint master’s degree in cooperation with European partner universities  
| **Quantum Science & Technology**  
| Technical University of Munich  
| In cooperation with Ludwig-Maximilians-Universität (LMU), Munich, Germany |
RWTH Aachen University
Technische Universität Berlin
Technische Universität Braunschweig
Technical University of Darmstadt
Technische Universität Dresden
Leibniz University Hannover
Karlsruhe Institute of Technology
Technical University of Munich
University of Stuttgart

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